

5/4/201, 200

G2/404, 89

11/5/03

CLAIMS

165/404.18

407,  
259.4

426

We claim:

1. A HVAC system for reducing contaminant entry, said system having an evaporator compartment comprised of:

- 5      a compartment housing; (4)
- (16 & 12) a supply air duct and a return air duct coupled to said housing; (6)
- an evaporator coil disposed within said housing; (14) (14)
- (16) a fan assembly disposed within said housing, said fan assembly having a fan motor and an impeller attached to said fan motor wherein said impeller is a radial fan impeller. fig.

10      2. The HVAC system described in claim 1 wherein said radial fan impeller is disposed perpendicular to said evaporator coil. fig. 1

3. The HVAC system described in claim 1 wherein said radial fan impeller is disposed adjacent to said return air duct. (fig. 1)

15      4. The HVAC system described in claim 1 wherein said radial fan impeller is comprised of at least one of the materials from the following group: plastic, ceramic, metal alloy or fiber compositions.

w/ Obama  
Al alloy  
col 6  
21-22

Hickox w/ Ibrahim  
w/ Roberts



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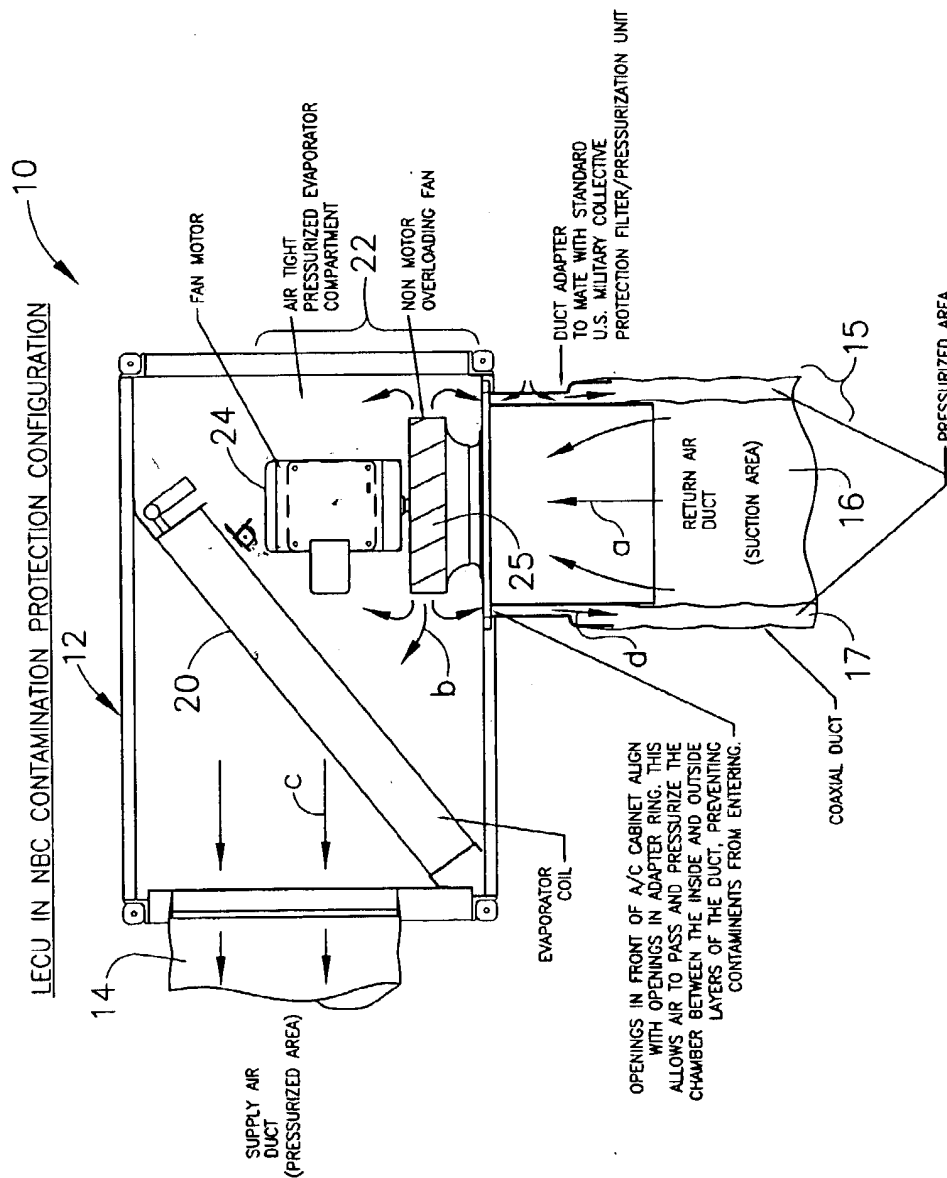


FIG. 1A

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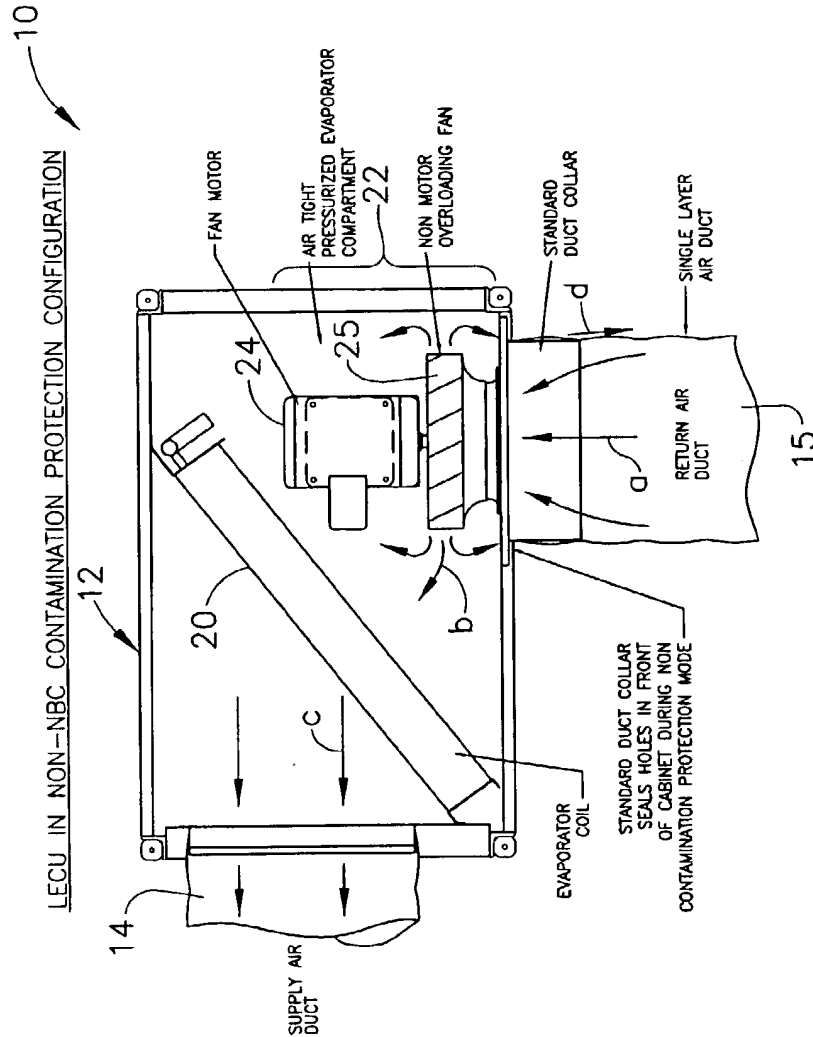


FIG. 1B

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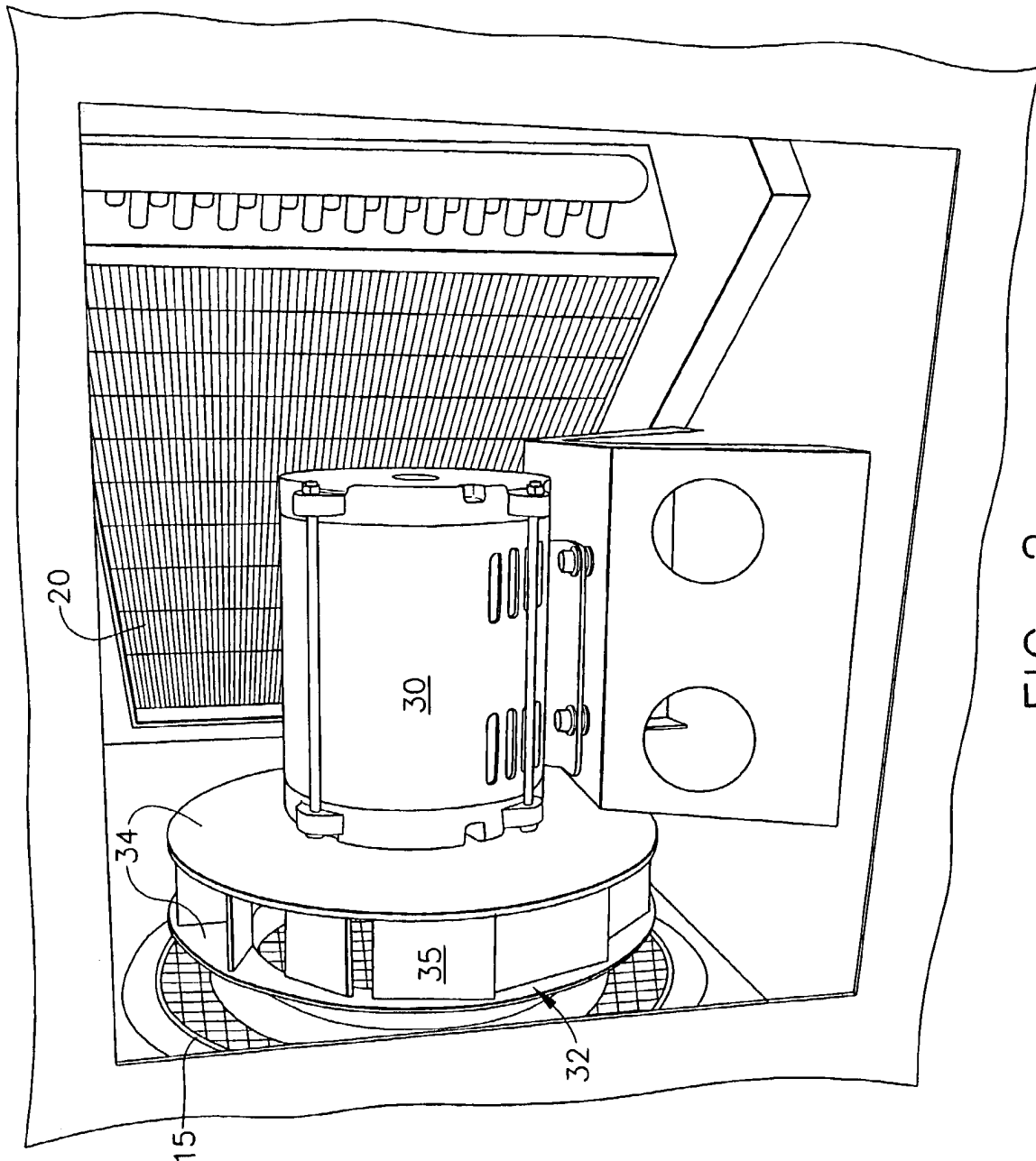


FIG. 2

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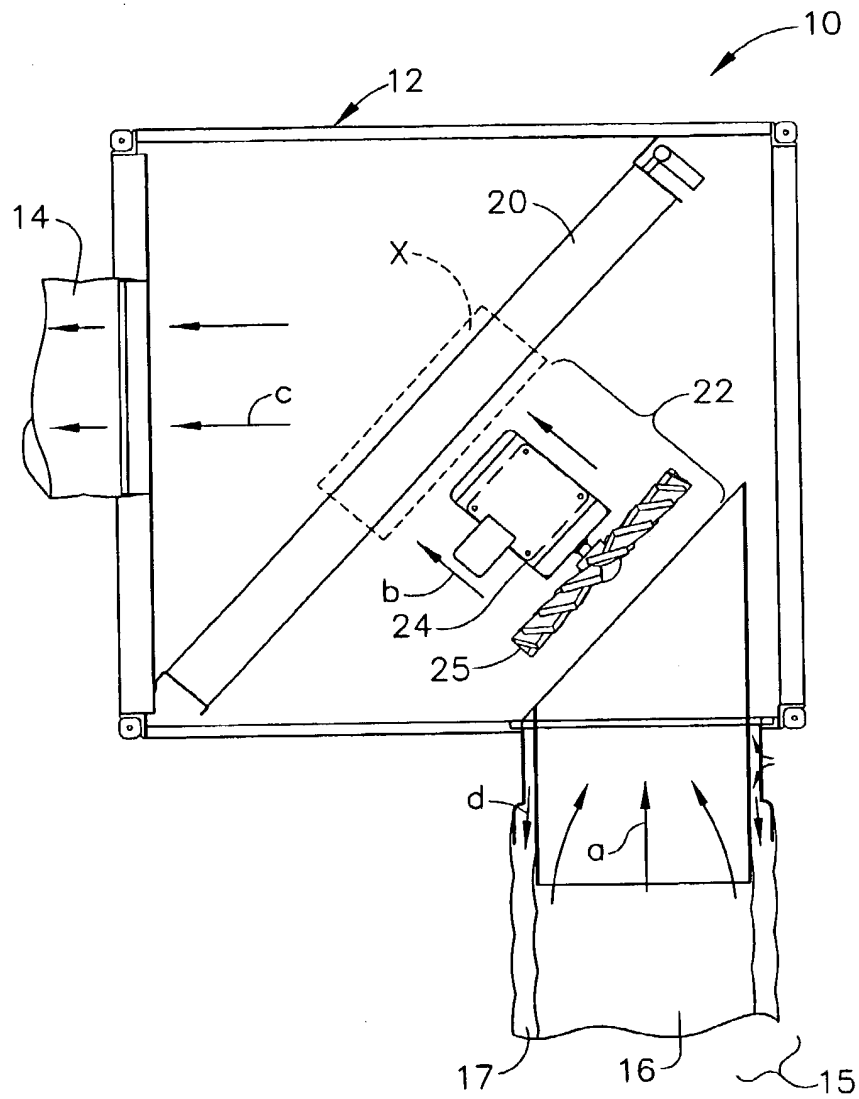


FIG. 3